

**OCCUPATIONAL SAFETY  
AND HEALTH STANDARDS BOARD**

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NOTICE OF PROPOSED MODIFICATION TO  
CALIFORNIA CODE OF REGULATIONS

TITLE 8: Chapter 7, Subchapter 4, Article 76, Section 4650(d)  
of the General Industry Safety Orders

*Compressed Gas (Oxygen) Cylinder Storage*

Pursuant to Government Code Section 11346.8(c), the Occupational Safety and Health Standards Board (Standards Board) gives notice of the opportunity to submit written comments on the above-named standard in which modifications are being considered as a result of public comments and/or Board staff consideration.

On January 20, 2005, the Standards Board held a Public Hearing to consider revisions to Title 8, Section 4650(d), of the General Industry Safety Orders. The Standards Board received comments on the proposed revisions. The standards have been modified as a result of these comments and Board consideration.

A copy of the full text of the standards as originally proposed, and a copy of the pages with the modifications clearly indicated, are attached for your information. In addition, a summary of all comments regarding the original proposal and staff responses is included.

Any written comments on these modifications must be received by 5:00 p.m. on October 18, 2005, at the Occupational Safety and Health Standards Board, 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833. The standard will be scheduled for adoption at a future business meeting of the Standards Board.

The Standards Board's rulemaking files on the proposed action are open to public inspection Monday through Friday, from 8:00 a.m. to 4:30 p.m., at the Standards Board's office at 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833.

Inquiries concerning the proposed changes may be directed to Michael Manieri, Principal Safety Engineer, at (916) 274-5725.

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date: September 28, 2005

Keith Umemoto, Executive Officer

## **STANDARDS AS ORIGINALLY PROPOSED**

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 4650(d) to read as follows:

§ 4650. Storage, Handling, and Use of Cylinders.

\*\*\*\*\*

- (d) Oxygen cylinders ~~shall never be stored near highly combustible materials, especially oil and grease, or near any other substance likely to cause or accelerate fire.~~ in storage shall be separated from fuel gas cylinders or combustible materials (especially oil or grease) a minimum distance of 20 feet or by a non-combustible barrier at least 5 feet high and having a fire-resistance rating of at least one-half hour.

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

**PROPOSED MODIFICATIONS**  
(Modifications are indicated in bold,  
double underline wording for new language,  
and bold, ~~strikeout~~ for deleted language.)

**STANDARDS PRESENTATION  
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PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 4650(d) to read as follows:

§ 4650. Storage, Handling, and Use of Cylinders.

\*\*\*\*\*

- (e) Oxygen cylinders ~~shall never be stored near highly combustible materials, especially oil and grease, or near any other substance likely to cause or accelerate fire.~~ in storage shall be separated from fuel gas cylinders or combustible materials (especially oil or grease) a minimum distance of 20 feet or by a non-combustible barrier at least 5 feet high, **or a minimum of 18 inches (25 centimeters) above the tallest cylinder** and having a fire-resistance rating of at least one-~~half~~ hour.

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

## **SUMMARY AND RESPONSE TO COMMENTS**

## **SUMMARY AND RESPONSE TO WRITTEN AND ORAL COMMENTS**

### **I. Written Comments**

Mr. Daniel Najera, Regulations Coordinator, Office of the State Fire Marshal by memorandum dated June 7, 2005.

#### **Comment:**

Mr. Najera proposed two modifications to Board staff's proposed amendments to Section 4650(d). He requested language be added to provide another option for employers to use to shield oxygen cylinders from fuel gasses or combustibles by requiring fire resistive barriers to be a minimum of 18 inches above the tallest cylinder in addition to existing language specifying a 20-foot separation distance or a 5-foot high fire resistive barrier. Mr. Najera also suggested the proposal be modified to specify a fire resistance rating of one hour rather than one half hour because fire resistance is measured in one-hour increments.

#### **Response:**

The Board concurs with Mr. Najera's comments and modified the proposal accordingly. The Board thanks Mr. Najera for his participation in the Board's rulemaking process.

### **II. Oral Comments**

There were no oral comments received at the January 20, 2005, Public Hearing in Sacramento, California.